

Serial No.: 10/609,471
Docket No.: 28951.3123/C1

IN THE CLAIMS:

Claims 1-10 (Canceled).

11. (Currently Amended) A method of transmitting data from an appliance connected to a first network among a plurality of networks in a home bus system comprising electric household appliances, the method comprising:

transmitting all data for a network other than the first network only to a predetermined particular router which is one router among a plurality of routers connected to the first network.

12. (Currently Amended) An appliance connected to a first network among a plurality of networks in a home bus system comprising electric household appliances, the appliance comprising:

means for stipulating a predetermined particular router among a plurality of routers connected to the first network; and

means for transmitting all data for a network other than the first network to the predetermined particular router.

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13. (Currently Amended) A method of transmitting data from an appliance connected to a first network in a home bus system comprising electric household appliances among a plurality of networks, the method comprising:

transmitting data for a network other than the first network only to a predetermined particular router which is one router among a plurality of routers connected to the first network, wherein, the data comprises identification information of the predetermined particular router as address information within the first network.

14. (Previously Presented) The method of transmitting data according to Claim 13, wherein:

the data further comprises transmitter identification information comprising identification information of a network of the appliance and identification information of the appliance, and receiver identification information of the appliance, and receiver identification information comprising identification information of a network of a receiving end appliance and identification information of the receiving end appliance; and

the transmitter identification information and the receiver identification information are provided in a data region of the data.

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15. (Currently Amended) An appliance connected to a first network among a plurality of networks in a home bus system comprising electric household appliances, the appliance comprising:

means for transmitting data for a network other than the first network only to a predetermined particular router which is one router among a plurality of routers connected to the first network, wherein the data comprises identification information of the predetermined particular router as address information within the first network.

16. (Previously Presented) The appliance according to Claim 15, wherein:
the data further comprises transmitter identification information comprising identification information of a network of the appliance and identification information of the appliance, and receiver identification information comprising identification information of a network of a receiving end appliance and identification information of the receiving end appliance; and

the transmitter identification information and the receiver identification information are provided in a data region of the data.

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17. (Currently Amended) A method of transmitting data from a first appliance connected to a first network among a plurality of networks in a home bus system comprising electric household appliances, the first appliance having identification information indicating the first network, the method comprising:

stipulating a predetermined particular router among a plurality of routers connected to the first network; and

transmitting data for a second appliance having identification information indicating a network different from the first network only to the predetermined particular router.

18. (Previously Presented) The method of transmitting data according to Claim 17, further comprising:

transmitting data for a third appliance having identification information indicating a network which is the same as the first network directly to the third appliance.

19. (Currently Amended) An appliance connected to a first network among a plurality of networks in a home bus system comprising electric household appliances, the appliance comprising:

means for holding identification information of the first network;

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means for stipulating a predetermined particular router among a plurality of routers connected to the first network; and

means for transmitting data for a second appliance having identification information indicating a network different from the first network only to the predetermined particular router.

20. (Previously Presented) The appliance according to Claim 19, further comprising:

means for transmitting data for a third appliance having identification information indicating a network which is the same as the first network directly to the third appliance.

21. (New) The method of claim 11, wherein data is transmitted in a home bus system comprising household appliances, and further comprising transmitting data between a pair of sub-networks through an electric household appliance.

22. (New) The appliance of claim 12, wherein the first network is in a home bus system comprising electric household appliances, and further comprising means for transmitting data between a pair of sub-networks through an electric household appliance.

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23. (New) The method of claim 13, wherein data is transmitted in a home bus system comprising household appliances, and further comprising transmitting data between a pair of sub-networks through an electric household appliance.

24. (New) The appliance of claim 15, wherein data is transmitted in a home bus system comprising household appliances, and further comprising means for transmitting data between a pair of sub-networks through an electric household appliance.

25. (New) The method of claim 17, wherein the first network is in a home bus system comprising household appliances, and further comprising transmitting data between a pair of sub-networks through an electric household appliance.

26. (New) The appliance of claim 19, wherein the first network is in a home bus system comprising electric household appliances, and further comprising means for transmitting data between a pair of sub-networks through an electric household appliance.